

DATE August 14, 2017

ORDERING CONSTRUCTION OF
LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVENUE TO UNIVERSITY AVENUE
AND FIXING A DATE FOR RECEIVING OF BIDS ON AUGUST 29, 2017
AND PUBLIC HEARING ON SEPTEMBER 11, 2017
ENGINEER'S ESTIMATE IS \$7,900,000.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

Leetown Creekway Box Culvert from Dean Avenue to University Avenue, 08-2017-001

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer sizes 6 feet x 6 feet, 12 feet x 5 feet, and 12 feet x 7 feet, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 48-inches, precast manholes and intakes, cast-in-place manholes, Ductile Iron (DI) sanitary sewer sizes 10-inches to 24-inches, Poly Vinyl Chloride (PVC) storm and sanitary sewer, PVC water main, DI water main, 6-inch, 8-inch, and 10-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, pavement markings, earthwork and grading, erosion control, fencing, and restoration and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 587-001/122, located just east of E. 30th Street from E. University Avenue to Dean Avenue, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$7,900,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on September 11, 2017, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on August 29, 2017, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Engineer in the Shijiazhuang Room, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa, at 11:00 a.m. on August 29, 2017, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.

★ **Roll Call Number**

Agenda Item Number

7A

DATE August 14, 2017

BE IT FURTHER RESOLVED: That the City Clerk is further directed to publish a Public Notice of Storm Water Discharge in the Des Moines Register and The Business Record as required by the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the "Notice of Intent for NPDES Coverage under General Permit No. 2 for Storm Water Discharges associated with Industrial Activity for Construction Activities" on behalf of the City of Des Moines and submit said document to the Iowa Department of Natural Resources with appropriate application and permit fees.

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 17-598 attached.)

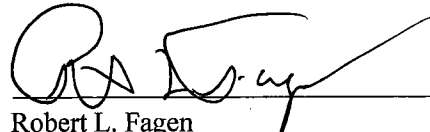
Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE



Kathleen Vanderpool
Deputy City Attorney



Robert L. Fagen
Des Moines Finance Director

AE Funding Source: 2017-2018 CIP, Page Storm – 9, Leetown Creekway - Outlet Improvements, SM075, Being: \$7,747,048 of Storm Revenue Bonds to be issued, and the remaining \$152,952 from the Iowa State Fair.

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

Mayor

City Clerk

7A

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 08-2017-001

Date: 7/26/2017

PROJECT: LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVE TO UNIVERSITY AVE

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	* Traffic Control	LS	1	\$30,000.00	\$30,000.00
2	* Clearing and Grubbing	UNITS	678.3	\$35.00	\$23,740.50
3	* Excavation, Class 10	CY	2350	\$15.00	\$35,250.00
4	* Topsoil, Off-Site	CY	700	\$25.00	\$17,500.00
5	* Subgrade Preparation	SY	8890	\$3.00	\$26,670.00
6	* Modified Subbase	SY	5054	\$12.00	\$60,648.00
7	* Trench Foundation	TONS	500	\$30.00	\$15,000.00
8	Concrete Pipe Encasement	LF	50	\$50.00	\$2,500.00
9	Ductile Iron (D.I.) Sanitary Sewer, 10"	LF	44	\$200.00	\$8,800.00
10	Ductile Iron (D.I.) Sanitary Sewer, 12"	LF	30	\$250.00	\$7,500.00
11	Ductile Iron (D.I.) Sanitary Sewer, 16"	LF	77	\$300.00	\$23,100.00
12	Ductile Iron (D.I.) Sanitary Sewer, 24", Trenchless	LF	65	\$550.00	\$35,750.00
13	Solid Wall PVC Sanitary Sewer, 8"	LF	295	\$80.00	\$23,600.00
14	Solid Wall PVC Sanitary Sewer, 24"	LF	1214	\$325.00	\$394,550.00
15	Reinforced Concrete Pipe (RCP), 15"	LF	24	\$150.00	\$3,600.00
16	Reinforced Concrete Pipe (RCP), 18"	LF	956	\$60.00	\$57,360.00
17	Reinforced Concrete Pipe (RCP), 24"	LF	20	\$200.00	\$4,000.00
18	Reinforced Concrete Pipe (RCP), 30"	LF	25	\$200.00	\$5,000.00
19	Reinforced Concrete Pipe (RCP), 48"	LF	79	\$250.00	\$19,750.00
20	Reinforced Concrete Arch Pipe (RCAP), 58"x36"	LF	6	\$500.00	\$3,000.00
21	PVC Storm Sewer, 10"	LF	20	\$75.00	\$1,500.00
22	PVC Subdrain, 6"	LF	327	\$20.00	\$6,540.00
23	PVC Subdrain, 12"	LF	27	\$50.00	\$1,350.00
24	Reinforced Concrete Box (RCB) Culvert, 6'x6'	LF	258	\$700.00	\$180,600.00

JA

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
25	Reinforced Concrete Box (RCB) Culvert, 12'x5'	LF	3418	\$1,100.00	\$3,759,800.00
26	Reinforced Concrete Box (RCB) Culvert, 12'x7'	LF	107	\$1,500.00	\$160,500.00
27	RCB Connection Collar	EA	1	\$5,000.00	\$5,000.00
28	12x7 RCB Plug	EA	1	\$2,500.00	\$2,500.00
29	RCB Special Jointing	EA	6	\$500.00	\$3,000.00
30	* Removal of Sewer, 8"	LF	100	\$15.00	\$1,500.00
31	* Removal of Sewer, 10"	LF	45	\$20.00	\$900.00
32	* Removal of Sewer, 12"	LF	55	\$20.00	\$1,100.00
33	* Removal of Sewer, 15"	LF	68	\$25.00	\$1,700.00
34	* Removal of Sewer, 18"	LF	1001	\$10.00	\$10,010.00
35	* Removal of Sewer, 24"	LF	1280	\$25.00	\$32,000.00
36	* Removal of Sewer, 48"	LF	220	\$30.00	\$6,600.00
37	* Removal of Box Culvert	LF	290	\$60.00	\$17,400.00
38	* Removal of Dean Avenue Culvert	LS	1	\$10,000.00	\$10,000.00
39	* Sewer Abandonment	CY	30	\$150.00	\$4,500.00
40	Water Main, PVC, 8"	LF	645	\$45.00	\$29,025.00
41	Water Main, PVC, 10"	LF	22	\$75.00	\$1,650.00
42	Water Main Relocate, STA. 32+52 (Elwell Center)	LS	1	\$10,000.00	\$10,000.00
43	Water Main Relocate, STA. 40+15 (Logan Avenue)	LS	1	\$10,000.00	\$10,000.00
44	Water Main Relocate, Sta. 48+56 (Dean Avenue)	LS	1	\$22,000.00	\$22,000.00
45	Fittings	LBS	880	\$20.00	\$17,600.00
46	Water Service Stub, Copper	EA	1	\$1,500.00	\$1,500.00
47	* Removal of Water Main	LF	260	\$5.00	\$1,300.00
48	Valve, Gate, 8"	EA	7	\$1,750.00	\$12,250.00
49	Valve, Gate 10"	EA	1	\$2,000.00	\$2,000.00
50	Fire Hydrant Assembly	EA	1	\$4,000.00	\$4,000.00
51	* Remove Existing Fire Hydrant	EA	1	\$1,500.00	\$1,500.00
52	Relocate Existing Fire Hydrant	EA	1	\$2,500.00	\$2,500.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
53	Relocate Service Hydrant	EA	1	\$2,500.00	\$2,500.00
54	Manhole, SW-301, 48" I.D.	EA	2	\$7,500.00	\$15,000.00
55	Manhole, SW-303, 48" I.D.	EA	4	\$10,000.00	\$40,000.00
56	Manhole, SW-303, 60" I.D.	EA	1	\$12,000.00	\$12,000.00
57	Manhole, Nyoplast	EA	2	\$2,000.00	\$4,000.00
58	Manhole, SW-401, 48" I.D.	EA	1	\$4,000.00	\$4,000.00
59	Manhole, SW-401, 60" I.D.	EA	1	\$6,000.00	\$6,000.00
60	Manhole, SW-401, 72" I.D.	EA	1	\$7,500.00	\$7,500.00
61	Manhole, SW-401, 96" I.D.	EA	1	\$20,000.00	\$20,000.00
62	Manhole, SW-405, Modified	EA	10	\$4,000.00	\$40,000.00
63	Junction Box #1	LS	1	\$140,000.00	\$140,000.00
64	Junction Box #2	LS	1	\$75,000.00	\$75,000.00
65	Junction Box #3	LS	1	\$45,000.00	\$45,000.00
66	Junction Box #4	LS	1	\$40,000.00	\$40,000.00
67	Junction Box #5	LS	1	\$45,000.00	\$45,000.00
68	Junction Box #6	LS	1	\$45,000.00	\$45,000.00
69	Intake, SW-501	EA	3	\$3,500.00	\$10,500.00
70	Intake, SW-503	EA	1	\$5,000.00	\$5,000.00
71	Intake, SW-505	EA	8	\$4,500.00	\$36,000.00
72	Intake, SW-511	EA	4	\$3,000.00	\$12,000.00
73	Intake, SW-512	EA	1	\$2,000.00	\$2,000.00
74	Manhole Adjustment, Minor	EA	2	\$1,000.00	\$2,000.00
75	Intake Adjustment, Minor	EA	2	\$1,000.00	\$2,000.00
76 *	Remove Manhole or Intake	EA	16	\$1,000.00	\$16,000.00
77	Composite Pavement	SY	277	\$150.00	\$41,550.00
78	PCC Pavement, 8" (Fully Reinforced)	SY	4603	\$60.00	\$276,180.00
79	PCC Pavement, 10" (Fully Reinforced)	SY	875	\$75.00	\$65,625.00
80	Curb and Gutter, 3.0', 8" (Sloped Curb)	LF	2347	\$45.00	\$105,615.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
81	PCC Pavement, 8" Integral Color (Fully Reinforced)	SY	268	\$100.00	\$26,800.00
82	PCC Pavement, 8" (Joint Reinforced)	SY	1404	\$55.00	\$77,220.00
83	* Sidewalk and Driveway Removal	SY	1749	\$10.00	\$17,490.00
84	PCC Sidewalk, 6"	SY	1719	\$50.00	\$85,950.00
85	Driveway, PCC, 8"	SY	856	\$60.00	\$51,360.00
86	* Granular Surfacing, Class A Crushed Stone	TON	100	\$30.00	\$3,000.00
87	* PCC Pavement Removal	SY	4632	\$12.00	\$55,584.00
88	* HMA Pavement Removal	SY	10700	\$12.00	\$128,400.00
89	Permeable Interlocking Pavers	SY	340	\$100.00	\$34,000.00
90	* Painted Pavement Markings, Solvent/Waterborne	STA	18.72	\$75.00	\$1,404.00
91	* Pavement Markings, Durable Paint	STA	2	\$750.00	\$1,500.00
92	* Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 1)	ACRE	6.3	\$3,500.00	\$22,050.00
93	* Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 4)	ACRE	2	\$2,500.00	\$5,000.00
94	* Sodding	SQ	183.5	\$100.00	\$18,350.00
95	* Plants	LS	1	\$7,500.00	\$7,500.00
96	* Brick Chips, 3/4"	CY	17	\$150.00	\$2,550.00
97	* Stormwater Pollution Prevention	LS	1	\$5,000.00	\$5,000.00
98	* Filter Socks	LF	1000	\$4.00	\$4,000.00
99	* Removal of Filter Socks	LF	1000	\$1.50	\$1,500.00
100	* Chain Link Fence, 96", 1.25" Mesh, Black Vinyl	LF	2131	\$30.00	\$63,930.00
101	* Gates, Chain Link, 96", 1.25" Mesh, Black Vinyl, 14.0'	EA	2	\$500.00	\$1,000.00
102	* Barbed Wire, Angled Arm	LF	2131	\$2.50	\$5,327.50
103	* Removal and Reinstallation of Existing Fence	LF	160	\$25.00	\$4,000.00
104	* Removal of Chain Link Fence w/ Footing	LF	2131	\$3.50	\$7,458.50
105	* Temporary Fence, Chain Link, 96"	LF	3000	\$7.50	\$22,500.00
106	Fence Mow Strip, PCC	SY	235	\$110.00	\$25,850.00
107	PCC Retaining Wall	CY	16	\$700.00	\$11,200.00
108	Handrail, 42"	LF	88.7	\$50.00	\$4,435.00

